September 25, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
                    Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                    CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #441 – Modified the ERF auto-forecast driver script to allow the run time limitation to be circumvented, so that the script may be run at any time, including after its 1440Z drop-dead time. This allows the script to be rerun if bad model data goes into the process and needs to be corrected. Implemented on September 23 at 1200Z. (CPC)

RFC #442 – Script 'autosend_qpf.csh' doesn't copy over the preliminary 'cod98q' into the final '98q.dat' coded message file. The result was that 'sendqpf' was exiting before sending the day 3 products and the forecaster would have to go back and manually send the forecast. The fix ensures the 'cod98q' file is copied. Implemented on September 24 at 1415Z. (WPC)

RFC #443 – A blank Gulf Stream analysis file was received from the Naval Oceanographic Office. This file is used operationally by OPC, is received from the NWSTG, and is used to place the current Gulf Stream position on OPC forecast charts. NAVO sent a make-up file to replace the blank file, so the OPC Gulf Stream script was modified to accept the make-up file in place of the actual file. Implemented on September 24 at 1545Z. (OPC)

The following will be implemented the week of September 28, 2015:

RFC #444 – Change the Production Definition Template 4.8 Generating Process Identifier for the Excessive Rainfall Outlook product from 180 to 224 in the GRIB2 files. This will resolve a decoding conflict between the EROs and WPC's Quantitative Precipitation Forecasts. To be implemented on September 29 at 1200Z. (WPC)

RFC #445 - The "split_up_vgf.pl" and "check_for_other_center.pl" scripts were updated to improve xml output and send additional products to NCP (National Centers Perspective on AWIPS 2). Entries were made to the IDP crontab file to

automatically send additional products to NCP. To be implemented on September 29 at 1100Z. (OPC)

RFC #446 - Point NMAP2 to the new SREF file names after the SREF upgrade is implemented. To be implemented on September 29 at 1200Z. (OPC)

RFC #447 – Modify websites
http://www.cpc.ncep.noaa.gov/products/predictions/610day/interactive/index.php
and
http://www.cpc.ncep.noaa.gov/products/predictions/814day/interactive/index.php
to migrate from Google Maps API to ESRI API. This aligns with NOAA and NWS GIS goals and Enterprise License Agreement. To be implemented on September 29 at 1600Z. (CPC)

RFC #448 – Update the Watch Collaborator warning criteria. WFOs CTP (State College) and PBZ (Pittsburgh) are updating their Snow 12 hour and 24 hour Warning criteria in Pennsylvania on October 1. CTP is also raising the ice storm warning criteria to .5 inches for their northern counties. This change will update the Watch Collaborator accordingly. To be implemented on October 1 at 1200Z. (WPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #384 – The salinity fields in NOS's CBOFS model have drifted this summer by about 4 PSU, negatively impacting the Ecological Forecasts which use the CBOFS for Vibrio Vulnificus and Sea Nettle forecasts. A bias correction has been developed by the Ecological Forecast Pathogens group. This correction will be applied every 2 weeks through early fall or until the CBOFS model has been corrected. The Vibrio and Sea Nettles web pages will be restarted each time after the salinity correction has been implemented. Implementation began on July 22 at 2100Z and should be completed by October 27. (OPC)

RFC #440 – Initial implementation of GEMPAK-based NCEP model (GFS, GEFS, and GDAS) products for the international domains generated with collaboration of NCO. NCO makes the tar files available on the Compute Farm and CPC needs to untar them and transfer them to the web server. CPC will ensure the web page is labeled 'experimental' until NCO provides 24/7 support. Implementation began on September 21 at 0430Z; was to be completed by September 24; problems encountered during implementation are pushing the completion date back to September 30. (CPC)

The following NCO RFCs to be implemented the week of September 21, 2015 may affect CPC, OPC, and/or WPC:

RFC #1310 – NAM v3.1.11 - Fix a script error in the NAM nests' surface field update job, in which the script is ignoring the water temperature file interpolated directly to the nests' b-grid and instead uses the 12km parent grid. This is causing the water temperature in small lakes in the nest (those not resolved by the parent 12km domain) to be too cold. To be implemented on September 29 at 1200Z.

RFC #1311 – NOMADS v2.9.5 - Modify the NOMADS tables to fix a bug introduced with the last HiResW upgrade that isn't correctly plotting the Hawaii grid and untarring the BUFR files. To be implemented on September 29 at 1200Z.

RFC #1320 – Himawari v1.2 – Himawari will be declared operational on IDP effective September 30 at 1200Z.

RFC #1321 – WCOSS Dataflow v1.67.0 – Modify the Dataflow Mirror tables to begin pulling CMC data to WCOSS for the NMME project. To be implemented on September 30 at 1200Z.

RFC #1322 – WCOSS Dataflow v1.68.0 – Modify DBNet on WCOSS to begin sending the parallel legacy GEFS v10 datasets to IDP. To be implemented on September 30 at 1200Z.

RFC #1332 – GFS_MOS v4.2.2 – Major GFS MOS upgrade. See TIN 15-34 at: http://www.nws.noaa.gov/os/notification/tin15-34gfs_mos_cca.htm for details. To be implemented on October 1 at 1200Z.

RFC #1333 – GLMP v1.1.0 – Major Gridded LAMP upgrade. See TIN 15-41 at: http://www.nws.noaa.gov/os/notification/tin15-41griddedlamp_upgrade_T_Td_C_V_add_S_windsv2.htm for details. To be implemented on October 1 at 1200Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1.	The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.